

Generation Interconnection

This analysis was completed to assess the reliability impact for a new generator interconnecting to the PJM system as an Energy (85MW) and Capacity resource (17MW).

Network Impacts

The Queue O28 project was studied as a 85 MW injection into the Harwood – Jenkins #2 69 kV circuit for summer peak conditions in 2009. This project was evaluated as an “Energy” facility for 85 MW and as a “Capacity” resource for 17 MW. Network impact results were as follows:

Generator Deliverability (single contingency)

No problems identified.

Local System Impacts

No problems identified.

Multiple Facility Contingency (MAAC Criteria IIC)

No problems identified.

Short Circuit Analysis

No problems identified.

Stability (MAAC Stability Criteria)

Will be performed for the Queue O28 Impact Study.

Network Upgrade Requirements

No network upgrades were identified.